

**Subject:** Minutes: DSS-13 Weekly Meeting 06-08-09

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## Minutes: DSS-13 Weekly Meeting on 06-08-09

### DSS-13 Science/Engineering Activities:

**GAVRT:** Paul Dendrenos reassembled the GAVRT 1<sup>st</sup> stage amplifier (S/X at position 2) in a closed chassis to regulate the physical temperature of the amplifier. The objective is to see if the gain stability improved. Paul should complete the work this Friday and the test should start next week. There was no tracking activity at DSS-13 last week.

**DSS-13/IF to ACME:** We received a new fiber optic (FO) receiver from a vendor free of charge (under warranty). The receiver has been installed at ACME rack at SPC-10. The initial test result shows that the receiver is working fine but the signal at SPC-10 coming from DSS-13 is still too low. Gary installed an old FO amplifier at DSS-13. The signal increased from -48.8 dB to -36.0 dB which is within an acceptable range. Work continues this week to complete the Y-factor testing.

**DSS-13 Power and UPS protection:** The relocation of 18 kW UPS from DSS-12 to DSS-13 control room has been postponed a couple times due to the lack of workforce. We plan to move the 18kW UPS late this week or next week. We ordered five 1500 VA UPS/Battery Back-up System @ \$180 each. These UPS will be used to back-up valuable user's instruments and laptops at DSS-13 pedestal and in the control room.

**Maser Refurbishing Work:** Larry Schrader from CMF at GDSCC informed us this morning that after fixing the wiring of the superconducting magnet, putting it back and testing it. Test data shows no improvement of the maser's performance. Larry plans to replace the magnet with the spare that he has. The assembly and test should be completed next week.

## Watt

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